



# भारत का राजपत्र

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No. 39] NEW DELHI, SATURDAY, SEPTEMBER 28, 1985 (ASVINA 6, 1907)

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(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III—खण्ड 2

## [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस  
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Calcutta, the 28th September, 1985

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## CORRIGENDUM

(1)

In the Gazette of India Part III, Section 2 dated the 06th October, 1984 under heading "Amendment Proceedings under section 57" on application for Patent No. 152757 has been treated as withdrawn.

(2)

In the Gazette of India, Part III, Section—2 dated 23rd March 1985 under the heading "COMPLETE SPECIFICATION ACCEPTED".

In column 1, Page 318 against number 155904  
for "FUEL POLLETS AND METHOD FOR MAKING  
THEM FROM ORGANIC FIBROUS MATERIALS."

Applicant & Inventor: RUDOLF WILHELM GUNNERMAN, OF 535 HAYFENS AVENUE, BEVERLY HILLS, CALIFORNIA 90210, UNITED STATES OF AMERICA.

Application No. 439|Cal|77 filed March 24, 1977."

Lead "STABILIZATION PROCESS OF METHYL METHACRYLATE."

Applicant: MITSUBISHI RAYON CO., LTD., OF 8, KYOBASHI 2-CHOME, CHUO-KU, TOKYO, JAPAN.

Inventors: 1. YAMADA KANTARO, 2. TADA TOSHIO.  
Application No. 491|Cal|77 filed March 31, 1977."

APPLICATION FOR PATENT FILED AT THE HEAD  
OFFICE 214, ACHARYA JAGADISH BOSE ROAD, CAL-  
CUTTA-17.

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, AT TONI ESTATES, 3RD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-400 013.

203/BOM/85	Mahindra Owen Ltd.	6-8-1985	18-tonne chassis-less running gear for trailers.
204/BOM/85	Do.		Progressive single suspension means for trailers and the like.
205/BOM/85	Do.		Progressive tandem suspension for trailers and the like.
206/BOM/85	Do		Hydraulic over run brake for trailers or the like.
207/BOM/85	Do.		A mechanical over run for brake for trailer or the like.
208/BOM/85	Do.		10-tonne chassis-less running gear for tankers and the like.
209/BOM/85	Kotobuki & Co. Ltd.	8-8-1985	Lead propelling mechanism for a mechanical pencil.
210/BOM/85	P.K. Kulkarni & V.P. Kulkarni		Improvements in or relating to reusable bag made from plastic sheet for storing and preserving articles in vacuum.
211/BOM/85	Bastimal Jain & Ramesh Kumar Jain.		Improved Breader.

## APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002.

12th August, 1985.

623|Mas|85. Enichem Sintesi S.p.A. A process for preparing heterocyclic compounds with herbicidal activities.

624|Mas|85. Enichem Sintesi S.p.A. A process for preparing heterocyclic compounds with herbicidal activities.

625|Mas|885. Akebono Brake Industry Co., Ltd., Cone Washer Assembly for disc brake.

13th August, 1985.

626|Mas|85. Kallenmaki OY &amp; Strahl KY. A method of fixing a wooden sheet of veneer to a supporting lamina.

627|Mas|85. Maschinenfabrik Rieter AG. Method and apparatus for producing a yarn.

628|Mas|85. Nippon Kokan Kabushiki Kaisha. Agglomerated Ores and a producing method therefor.

629|Mas|85. Agip S.p.A. &amp; Anic S.p.A. Method of making silicon carbide and coatings of silicon carbide on carbonaceous substrates.

630|Mas|85. Alkmar Productions Limited. Apparatus for use in making cough products. (August 14, 1985; United Kingdom).

14th August, 1985.

631|Mas|85. K. V. Shetty. A ground fault interrupter.

632|Mas|85. Polysar Limited. Liquid Mulch.

633|Mas|85. Universiti Malaya. Pumps. (August 17, 1984; United Kingdom).

634|Mas|85. Tandem Computers Incorporated. A driver circuit for a three-state gate array using low driving current.

16th August, 1985.

635|Mas|85. G. Viswanath Shet, Pandu Lapan. (Chalmurga Oils Sandal Wood oil etc.)

636|Mas|85. International Plastic Technologies Inc. Crate. (August 17, 1984; United Kingdom).

637|Mas|85. Union Carbide Corporation. Production of Acetate esters from alcohols using rhodium complex catalysts.

638|Mas|85. Union Carbide Corporation. Production of carboxylic acids from alcohols using rhodium complex catalyst and organic ester source.

639|Mas|85. Union Carbide Corporation. Production of anhydrous carboxylic acids from alcohols using rhodium complex catalyst and organic ester source.

640|Mas|85. De-Ko-We Schurholz Teppichfabrik GMBH. A support band for securing slope covers against slippage.

641|Mas|85. The Dow Chemical Company. Epoxy resins of controlled conversion and a process for their preparation. (August 16, 1984; United Kingdom).

642|Mas|85. The Dow Chemical Company. A method for increasing the functionality of an epoxy resin. (August 16, 1984; United Kingdom).

643|Mas|85. Societe d'Etudes Scientifiques et Industrielles de l'ile-de France. Percutaneous anaesthetic composition for topical application and associated method (September 8, 1984; Great Britain).

## COMPLETE SPECIFICATION ACCEPTED

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CLASS : 24-B.

156635

Int. Cl. : F 16 d 55/00.

## IMPROVEMENTS IN DISC BRAKES.

Applicant : LUCAS INDUSTRIES PUBLIC LIMITED COMPANY, OF GREAT KING STREET, BIRMINGHAM B 19 2XF, ENGLAND.

Inventor : 1. GEORGE WINDSOR SMITH.

Application No. 1651|Cal|75 filed August 26, 1975.

Convention dated 28th August, 1974 (37517|74) U. K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 15 Claims

A sliding caliper disc brake for a vehicle in which a caliper carrying an indirectly operated friction pad assembly is slidably mounted on a single pin relative to a fixed torque plate carrying a directly operated friction pad assembly, at least one further pin being provided for retaining the friction pad assemblies in position in relation to the caliper and torque plate respectively and said further pin, or at least one of said further pins when more than one is provided, being arranged to prevent rotation of the caliper about the drag transmitting pin.

Compl. Specn 9 pages.

Drgs 3 sheets.

CLASS : 70-A.

156636

Int. Cl. H01 m 17/00.

## A CELL HAVING AN IMPROVED LEAK-PROOF PROPERTY.

Applicant : HITACHI MAXELL, LTD., OF NO. 1 1-88, USHITORA, IBARAKI-SHI, OSAKA-FU, JAPAN.

Inventors : 1. OSAMU ISHIDA, 2. YOSHIO UETANI, 3. SEIICHI MATSUSHIMA.

Application No. 1400|Cal|81 filed December 8, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A cell having an improved leak-proof property which comprises a positive can, a negative collector fitted in the opening of the positive can, characterised in that a gasket is set in the space between the positive can and the negative collector to prevent the leakage of any liquid material in the cell, said gasket being made of a synthetic resin composition comprising glass beads, the preferred amount of incorporation of said glass beads being 5 to 50% by weight in the gasket material.

Compl. specn. 18 pages.

Drgs. 2 sheets.

CLASS : 145-B & D.

156637

Int. Cl. : B 65 h 21|00, 35|00.

PREADJUSTABLE WEB SLITTER AND NON-DEFLECTING MOUNTING THEREFOR.

Applicant : BELOIT CORPORATION, BELOIT, WISCONSIN 53511, U.S.A.

Inventors : 1. KENNETH GORDON FRYE, 2. GERALD ALLEN GUILD.

Application No. 41|Cal|82 filed January 11, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

23 Claims

A slitter comprising a lower blade carried rotatably by a lower blade head and an upper blade carried rotatably by an upper blade head, said blades being cooperative to slit a running web :

a supporting frame having generally vertically spaced lower and upper rigid parallel beams located, respectively, to underline and overline the web transversely in substantially spaced relation to the web, and each of said beams having a respective face which is directed toward the web; said lower beam having means on its said face for supporting said lower blade head under the web for selective adjustment longitudinally along the beam and transversely relative to said web;

said upper beam having means on its said face for supporting said upper blade head for selective adjustment longitudinally along said upper beam and transversely relative to the web;

at least one of said beams having a bed plate fixed to its said face and extending thealong for a distance substantially as long as the width of said web, and having a lip along its length projecting horizontally from one side of said one beam;

a rail fixed on said bed plate and projecting toward the web and extending throughout substantially the length of said bed plate;

the blade head supported by said one beam having means thereon engaging said rail for longitudinal adjustment movement along the rail; and

said one beam blade head having a surface thereon engaging one side of said lip, a clamping an element engaging the opposite side of said lip, and means for releasably drawing said clamping element and said one beam head toward one another and thereby effecting a clamping engagement of said lip between said head surface and said clamping element for maintaining said one beam blade head in selected adjusted position along said rail and said one beam and relative to the other of said blade heads.

Compl. specn. 25 pages.

Drgs. 3 sheets.

CLASS : 17-C, 54 & 83-A1.

156638

Int. Cl. : A 23 f 1|00.

PROCESS FOR MAKING A VEGETABLE EXTRACT.

Applicant : SOCIETE DES PRODUITS NESTLE S.A., CASE POSTAL 353, 1800 VEVEY, SWITZERLAND.

Inventors : 1. MAURICE BLANC, 2. WALTER BALIMANN, 3. WILLI HUFNAGEL.

Application No. 316|Cal|82 filed March 22, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A process for making a vegetable extract in a system comprising a series of cells containing coffee and coffee substitute, such as chicory, malt and barley, by contacting progressively fresher vegetable materials such as herein defined counter currently with an extraction liquid, such as dilute coffee extract or water, which enters an inlet cell and is withdrawn in batches from an outlet cell characterized in that the outlet cell and each succeeding alternate cell contains more coffee than any one of their respective adjacent cells and during or after each draw-off the pair of cells containing the most exhausted vegetable material is disconnected from the system for discharge and reloading, and after each draw-off a pair of cells with fresh loads of coffee and coffee substitute is added to the system so that the outlet cell is the second in series and contains the majority of coffee of the pair, the amount of soluble solids in each draw-off being approximately twice the amount drawn off in a standard process.

Compl. specn. 12 pages.

Drgs. Nil.

CLASS : 55-D2 & 123.

156639

Int. Cl. : A01 n 9|00.

A METHOD OF PREPARING AN INOCULANT.

Applicant : RESEARCH AND DEVELOPMENT INSTITUTE, INC. AT MONTANA STATE UNIVERSITY, OF BOZEMAN, MONTANA 59717, UNITED STATES OF AMERICA.

Inventors : 1. GARY A. STROBEL, 2. ANDREA HARTWIGSEN GAVLAK, 3. JESSE M. JAYNES.

Application No. 501|Cal|82 filed May 4, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A method of preparing an agricultural composition containing microorganisms for the treatment of seeds for increasing root elongation, root development and shoot elongation of a germinating seed, inducing germination of a grass seed, promoting plant growth at lower temperature than normally required when planting a seed and for increasing nodulation, root mass and shoot mass in a leguminous plant, comprising treating such as herein described with ethidium bromide to obtain an infectivity-cured M<sub>r</sub> plasmid-bearing microorganism free from pathogenicity to carrots and which is a mixture of (i) a first microorganism type *A. rhizogenes* A<sub>4</sub> ATCC 31798 characterized by an induction of significantly enhanced shoot length in a germinating corn seed, when compared to *A. rhizogenes* A<sub>4</sub> ATCC 31799 and (ii) a second microorganism type *A. rhizogenes* A<sub>4</sub> ATCC 31799 characterized by significantly greater germination induction of Kentucky bluegrass seed, when compared to *A. rhizogenes* A<sub>4</sub> ATCC 31798 and if desired, isolating such as ionv cells—the cicroorganisms.

Compl. specn. 38 pages.

Drgs. Nil.

CLASS : 172-C &amp; 172-F.

156640

Int. Cl. : D01 g 11|00.

## APPARATUS FOR FIBERIZING AND SCREENING OF FIBROUS MATERIALS.

Applicant : A. AIHLSTROM OSAKEYHTIO, AT 29600 NOORMARKKU, FINLAND.

Inventor : 1. FREY SUNDMAN.

Application No. 584|Cal|82 filed May 22, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims

An apparatus for fiberizing and screening of fibrous material such for example as herein described, which apparatus comprises a rotating drum (1) the inlet end (7) of the drum wall of which is non-perforated and the outlet end (8) of the drum wall of which is perforated and the inlet end of which is separated from the outlet end by means of a partition wall (9) having an opening (10) characterized in that the radial distance between the peripheral wall of the drum and the edge of the opening of the partition wall is ununiform around the peripheral wall of the drum.

Compl. specn. 9 pages.

Drgs. 4 sheets.

CLASS : 105-C.

156641

Int. Cl. : F 27 d 21|00.

## APPARATUS FOR PROVIDING AN INDICATION OF MASS FLOW OF A SOLID MATERIAL.

Applicant : KRW ENERGY SYSTEMS INC., OF THREE GREENWAY PLAZA, HOUSTON, TEXAS 77046, UNITED STATES OF AMERICA.

Inventors : 1. JOSEPH EDWARD MACKO, 2. ISNARD ESTRIPLET.

Application No. 589|Cal|82 filed May 22, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims

Apparatus for providing an indication of mass flow of a solid material comprising : a housing (12) having an inlet (20) for said material and an outlet (22) for said material, and a star wheel (14, 16) rotatable within said housing (12) and having pockets (18) for receiving said material at said inlet (20) and discharging said material at said outlet (22), characterized by one or more radiation sources (32) for directing a preselected radiation flux into said pockets (18); and one or more radiation detector (34A, B) for measuring the amount of said flux transmitted through said pockets (18); said measurement being indicative of the amount of said material in said pockets.

Compl. specn. 9 pages.

Drgs. 2 sheets.

CLASS : 34-D &amp; 155-C.

156642

Int. Cl. : C 03 b 37|00.

## IMPROVED PROCESS AND APPARATUS FOR MANUFACTURING A FIBRE MAT.

Applicant : ISOVER SAINT-GOBAIN, OF "LES MIROIS"-LA DEFENSE 3, 18 AVENUE D'ALSACE, 92400 COURBEVOIE, FRANCE.

Inventors : 1. JEAN BATTIGELLI, 2. FRANCOIS BOUQUET.

Application No. 942|Cal|82 filed August 10, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 16 Claims

An improved process for manufacturing a fibre mat in which fibres are transported by a gas current to a receiving device where the fibres are collected, the gas current comprising attenuating gas and gas induced by the former from the surrounding atmosphere in the course of its passage, characterised in that upstream of said receiving device, part of the current is removed from the periphery of said gas current.

Compl. specn. 41 pages.

CLASS : 119-F<sub>4</sub>.

156643

Int. Cl. : D03 j 5|00.

## SHUTTLE GUIDING DEVICE IN WEAVING MACHINE.

Applicant : KABUSHIKI KAISHA TOYODA JIDOSHO-KI SEISAKUSHO OF 1, TOYODA-CHO 2-CHOME, CITY OF KARIYA, AICHI PREFECTURE, JAPAN.

Inventors : 1. FUMIO KAMIO, 2. YUTAKA SATO.

Application No. 975|Cal|82 filed August 23, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims

Shuttle guiding device in a weaving machine, wherein fence member is provided below reed cap which extends the entire length of reed and formed in such a way that, when crank of the weaving machine is positioned adjacent to its back dead center, the lower face of said fence member is brought substantially in parallel relation to the upper sheet of warp threads forming a shed with the lower sheet of similar warp threads.

Compl. specn. 10 pages.

Drgs. 4 sheets.

CLASS : 70-B.

156644

Int. Cl. : B 01 k 3|04.

## A MEMBRANE ELECTROLYSIS CELL.

Applicant : METALLGESELLSCHAFT A.G., OF 16 FRANKFURT A.M., REUTERWEG, WEST GERMANY.

Inventors : 1. KARL LOHRBERG, 2. PETER KOHL, 3. GUNTER HAAS.

Application No. 1097|Cal|82 filed September 22, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims

A membrane electrolysis cell comprising : rectangular frames disposed vertically;

the frames having electrodes of one polarity disposed generally vertically and each subdivided horizontally into a plurality of substantially horizontal strips spanning said frames;

respective membranes extending along each of said frames and juxtaposed to a said electrode of one polarity thereof;

respective electrodes of opposite polarity in said frame disposed substantially vertically and each juxtaposed with said membranes whereby each said membrane is deformable toward a said electrode of opposite polarity of an adjacent frame, each of said electrodes of said opposite polarity being subdivided vertically into a plurality of vertical strips spanning said frame;

conductors designed as springs located in said frame pressing outwardly against the strips of at least one of the electrodes juxtaposed with each membrane to deform the strip toward the strips of the other electrode juxtaposed therewith; and spacers are provided between the units of that electrode which is not contacted by the membrane.

Compl. specn. 17 pages.

Drgs. 2 sheets.

CLASS : 35-B.

156645

Int. Cl. : B28 c 3|00, 7|00.

**PROCESS AND APPARATUS FOR PRODUCING CEMENT.**

Applicants : (1) VOEST-ALPINE AKTIENGESELLSCHAFT, WERKSGELANDE, A-4010 LINZ, AUSTRIA (2) VEB SCHWERMASCHINENBAU-KOMBINAT "ERNST THALMANN" MAGDEBURG, DDR-3011, MAGDEBURG, GERMAN DEMOCRATIC REPUBLIC.

Inventor : 1. ING. FRANZ KRENNBAUER.

Application No. 1254|Cal|82 filed October 21, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**6 Claims**

A process of producing cement wherein the ground raw material is de-acidified in a calcinator and is subsequently burnt in a kiln and before being de-acidified in the calcinator is preheated by a multistage heat exchange with exhaust gas streams from the kiln and from the calcinator in two parallel series of heat-exchange stages, which are flown through by exhaust gases from the kiln and from the calcinator, wherein the ground raw material is delivered from heat exchange stages of each of said series to respective heat exchange stages of the other series, characterized in that the exhaust gas stream from the kiln is caused to deliver heat to the ground raw material in an additional heat exchange stage, which directly precedes the calcinator heat exchange stage, which directly precedes the calcinator in the flow path of the ground raw material, the exhaust gas from the kiln is subsequently mixed with the exhaust gas stream from the calcinator and the resulting stream of mixed exhaust gases is uniformly distributed to the two series of heat exchange stages of the heat exchanger.

Compl. specn. 13 pages.

Drgs. 1 sheet.

CLASS : 158-A.

156646

Int. Cl. : B 66 d 3|00, 3|02.

**A SYSTEM FOR LOAD HANDLING BY CONTROLLED MOVEMENT OF THE LOAD AGAINST SURGING OR OTHER DEVIATION ACROSS A SURFACE.**

Applicant : COMMONWEALTH OF AUSTRALIA, C/O DEPARTMENT OF DEFENCE SUPPORT, OF ANZAC PARK WEST BUILDING, CONSTITUTION AVENUE, CANBERRA, AUSTRALIAN CAPITAL TERRITORY, AUSTRALIA, 2600.

Inventor : 1. PATRICK BRUCE-WALKER.

Application No. 1280|Cal|82 filed October 30, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**5 Claims**

A system for load handling by controlled movement of the load against surging or other deviation across a surface, comprising two pairs of spaced winch means, a pair of guide rails extending between said winch means, two pairs of trolley means movable along said guide rails, and cable means, each

said trolley means having thereon a pulley and a cable fixing point, and the load, to be handled, having thereon a pair of cable fixing points spaced apart, the cable means from one of said winch means passing around the pulley on the trolley means closest to the said winch and also passing to a first of the said fixing points on the load, said first fixing point being connected by a set length of cable means to one of the fixing points on the other said trolley means of the respective pair thereof and the other one of said winch means being likewise connected to the other said trolley means and the second one of the said fixing points on the load.

Compl. specn. 11 pages.

Drgs. 7 sheets.

CLASS : 27-C.

156647

Int. Cl. : E 02 d 5|34.

**METHOD AND APPARATUS FOR MANUFACTURING CAST-IN-SITU TUBULAR PILES.**

Applicant : DNEPROPETROVSKY INZHENERNOSTROITELNY INSTITUT, OF DNEPROPETROVSK, ULITSA CHERNYSHEVSKOGO, 24a, USSR.

Inventor : 1. VALENTIN IVANOVICH FEKLIN.

Application No. 1285|Cal|82 filed October 30, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**5 Claims**

An apparatus for manufacturing cast-in-situ tubular piles comprising a drill column, a hollow soil displacing body immovably mounted on said drill column and having a cylindrical sizing portion, a lower tapered portion having an outer helical ribbon surface terminating in a first opening of a predetermined diameter, and an upper tapered portion terminating in a second opening; a concrete feeding tube attached to said upper tapered portion around the second opening of said displacing body, a hollow tapered soil displacing tool having an outer helical ribbon surface and attached to the end portion of said drill column below said soil displacing body so that the inner space thereof communicates with the inner space of said drill column; a tubular soil displacing body having a tip portion and a pouring port wherethrough the inner space thereof communicates with the inner space of the hole being formed in the subsoil and said drill column and arranged within said soil displacing tool for axial movement between an extended position to open the pouring port and a retracted position to close the pouring port with said soil displacing tool; a skirt axially movable along said drill column between a lower position to enclose said soil displacing tool and an upper position to dispose said soil displacing tool and to close the first opening in said hollow soil displacing body.

Compl. specn. 13 pages.

Drgs. 4 sheets.

CLASS : 175-H.

156648

Int. Cl. : F 16 j 9|10.

**ANNHLARSPACER-EXPANDER FOR SPACING AND POSITIONING TWO RAILS IN A PISTON RING GROOVE OF A PISTON FOR AN INTERNAL COMBUSTION ENGINE.**

Applicant : AE PLC, OF CAWSTON HOUSE, CAWSTON, RUGBY, WARWICKSHIRE, CV22 7SA, ENGLAND.

Inventor : 1. ROBERT PLANT.

Application No. 1462|Cal|82 filed December 17, 1982. Convention dated 17th December, 1981 (8138087) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims

An annular spacer-expander for spacing and positioning two rails in a piston ring groove of a piston for an internal combustion engine and comprising a plurality of U-shaped members which lie in respective angularly spaced planes including the spacer-expander axis, whose arms open inwardly of the spacer-expander for urging radially inner ends of respective rails into contact with respective radial walls of the piston ring groove, which are interlinked in serpentine fashion with the arms of successive pairs of U-shaped members being interconnected on alternate opposite sides of a plane normal to the spacer-expander axis and passing through the bases of the U-shaped members to give the spacer-expander circumferential resilience, and whose ends are bent outwardly for urging the rails into contact with an associated cylinder or liner, and also comprising a plurality of ring spacer lugs for controlling axial movement of radially outer ends of the rails, each ring spacer lug being between a pair of adjacent U-shaped members and being connected to the base of one of the pair of U-shaped members.

Compl. Specn. 9 pages.

Drgs. 1 sheet.

CLASS : 32-F<sub>1</sub>, 32F<sub>2</sub>b & 55-D<sub>2</sub>

156649

Int. Cl. : A01 n 9/00; C 07 d 31/00.

## A METHOD FOR THE PRODUCTION OF NOVEL PYRIDYL THIOCARBONATES.

Applicant : STAUFFER CHEMICAL COMPANY, WESTPORT, CONNECTICUT 06881, U.S.A.

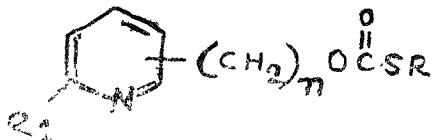
Inventors : 1. RAYMAN YOUNG WONG.

Application No. 1/Cal/83 filed January 1, 1983.

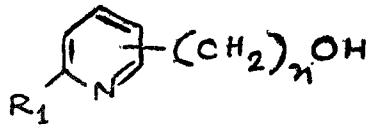
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 12 Claims

A method for the production of a pyridyl alkyl thiocarbonate compound having the formula I shown in the accompanying drawings,



in which R is alkyl, cycloalkyl, aralkyl, chlorophenyl or chlorobenzyl, R<sub>1</sub> is lower alkyl or hydrogen, and n is 1, 2, or 3, by reaction of a pyridyl alkanol having the formula II shown in the drawings



with a chlorothioformate having the formula III shown in the drawings.



in which R, R<sub>1</sub> and n are as defined above, at a temperature of 0–27° deg. C, in the presence of a solvent and a conventional hydrogen chloride acceptor.

Compl. Specn. 18 pages.

Drgs. 1 sheet.

CLASS : 116-C.

156650.

Int. Cl. : R 65 g 15/00; B 66 c 7/00.

## A VERTICAL CONVEYOR FOR USE AS TRANSPORT DEVICE FOR TRANSPORTING BULK MATERIALS.

Applicant : DOUCKAU-WALTHER AKTIENGESELLSCHAFT, GREVENBROICH, WEST GERMANY.

Inventor : 1. KLAUS GUNTZEL.

Application No. 486/Cal/83 filed April 22, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims.

A vertical conveyor for use as transport device for transporting bulk materials especially raw material such as pit-coal or lignite in open pit mining, characterized by that the vertical conveyor (18) is self-displaceable on the ground surface (4) at the foot of the slope of an openpit mine (12), which conveyor transports the raw materials from the ground surface (4) at the foot of the slope via a steep slope (2) to the ground surface (1) at the top of the slope.

Compl. Specn. 10 pages.

Drgs. 2 sheets.

## OPPOSITION PROCEEDINGS

## (1)

An opposition has been entered by National Research Development Corporation of India to the grant of a patent on application No. 155314 made by Dr. Ramaswamy Thanagappan.

## (2)

An opposition has been entered by M/s. Pefco Foundry and Chemicals Limited to the grant of a patent on application No. 155753 made by Syntex Pharmaceutical International Limited.

## CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The claim made by Hyderabad Asbestos Cement Products Ltd. under section 20(1) of the Patents Act, 1970, to proceed the application for Patent No. 154585 in their name has been allowed.

## CORRECTION OF CLERICAL ERRORS

Under Section 78(1) of the Patents Act, 1970 certain clerical errors occurring in the specification of patent application No. 154978 were corrected on 9th August 1985.

## PATENTS SEALED

153584 153650 153709 153727 153735 153737 153739 153743  
153744 153754 153756 153759 153775 153778 153885 153959  
153963 153964 153967 153987 153988 153989 153992 154001  
154002 154005 154009 154010 154014 154015 154016 154035  
154037 155089

## AMENDMENT PROCEEDINGS UNDER SECTION 57

## (1)

The amendments proposed by International Standard Electric Corporation, a Corporation organized and existing under the laws of the State of Delaware, United States of America, of 320 Park Avenue, New York 10022, State of New York, United States of America, in respect of patent application No. 152651 as advertised in Part III, Section 2 of the Gazette of India dated the 15th September, 1984 has been allowed.

## (2)

Noice is hereby g'ven that Stamicarbon B.V., of P.O. Box 10, Geleen, The Netherlands, a Dutch Company have made an application under section 57 of the Patents Act, 1970 for amendment of specification of their patent application No. 152757 for "Process for the preparation of a catalytic titanium components". The amendments are by way of disclaimer explanation and correction. The application for amendment and the proposed amendments can be inspected free of charge at

the Patent Office 214, Acharya Jagadish Bose Road, Calcutta-700 017 on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification, at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said notice.

(3)

The amendment proposed by British Steel Corporation, in respect of Patent Application No. 153690 as advertised in Part III, Section 2 of the Gazette of India dated the 16th March, 1985 has been allowed.

(4)

Notice is hereby given that Redler Conveyors Limited, a British Company of Budbridge Works, Stroud, Gloucestershire, GL5 3FY, England have made an application under Section 57 of the Patents Act, 1970 for amendment of application, specification and drawings of their Patent application No. 154743 for "Improved Feeder for coal and like particulate materials". The amendments are by way of changing name from "Redler conveyors Limited" to "Redler Limited". The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214 Acharya Jagadish Bose Road, Calcutta-700 017 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition Form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said.

(5)

Notice is hereby given that The Marley Company, 5800 Forridge Drive, Mission, County of Johnson, Kansas 66202, U.S.A. a corporation organized under the laws of the State of Delaware have made an application under Sections 57 of the Patents Act, 1970 for amendment of drawings of their Patent application No. 155084 for "A fill member for water cooling tower having integral spacer structure". The amendments are by way of correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office 214 Acharya Jagadish Bose Road, Calcutta-700 017 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification at the Patent Office Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(6)

Notice is hereby given that Victor Company of Japan, Ltd., of No. 12, 3-Chome, Moriya-Cho, Kanagawa-Ku, Yokohama-Shi, Kanagawa-Ken, Japan a Japanese Company have made an application under Section 57 of the Patents Act 1970 for amendment of drawings of their Patent application No. 155578 for "Tape cassette loaded with respect to a recording and/or reproducing apparatus". The amendments are by way of correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta, 700 017, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification at the Patent Office Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

#### RENEWAL FEES PAID

128419 136043 136044 136073 136135 137015 137689 137762  
138285 139476 139477 140285 140410 141920 142385 143037  
143118 143258 143381 143598 143891 143915 144034 144057  
144058 144275 144819 144968 145111 145165 145409 145724  
145897 146647 146766 147047 147214 147922 148223 148709  
149850 149942 150102 150646 150808 150855 151448 151606  
151796 151798 151818 152574 152683 152742 153086 153266  
153273 153478 153488 153523 153525 153529 154091 154108  
154109 154130 154139 154141

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 155395. Tex Part Manufacturers, a Registered Indian Partnership Firm, carrying on business at 108, Municipal Industrial Estate, 3rd Floor, Dr. E. Moses Road, Worli, Bombay-400 018 Maharashtra-400 018, Maharashtra. "Bobbin Holder". 14th February, 1985.

Class 3. No. 155450. Surinder Kumar, Proprietor of Nav Jiwan Cottage Industries, B-126, Maya Puri, Phase I, New Delhi-110064, Indian National (a sole Proprietorship firm) "Call Bell". 28th February, 1985.

Class 3. No. 155419. Surinder Kumar, Proprietor of Nav Jiwan Cottage Industries, B-126, Maya Puri, Phase I, New Delhi-110064, Indian National (a sole Proprietorship firm) "Call Bell". 28th February, 1985.

Class 3. No. 155494. Asian Advertisers, 20 Kala Bhavan, 3 Mathew Road Opera House, Bombay-400001, Maharashtra an Indian Partnership Firm. "Key Chain". 16th March, 1985.

Class 3. No. 155585. Trinity Products, Acme Estate D-22 & 23, 3rd floor Sewree (East) Bombay-400015, State of Maharashtra, an Indian Partnership Firm. "Feeding Bo'tle". 17th April, 1985.

Class 3. No. 155710. Bent Tools C/o Ever-st Enterprises, 7-A Happy Home, St. Martin Road, Bandra, Bombay-400050, Maharashtra State, an Indian Sole Proprietary firm "Photo Frame-Cum Mirror". 27th May, 1985.

Class 3. No. 155622. Trinity Products, Acme Estate, D-22 & 23, 3rd floor Sewree (Eas') Bombay-400015, State of Maharashtra, an Indian Partnership Firm. "Feeding Bottle With Cap". 2nd May, 1985.

Class 3. No. 155039. Kingsway Enterprises Private Limited, of 12, Sham Nath Marg Delhi-110054 India an Indian Company. "Film Strip Viewer". 12th November, 1985.

#### EXTENSION OF COPYRIGHT FOR THE SECOND AND THIRD PERIOD OF FIVE YEARS

..... NIL.

R. A. ACHARYA  
Controller General of Patents,  
Designs and Trade Marks.